

MATERIAL SAFETY DATA SHEET

MSDS

Page 1 of 7
Date Issued 09/13/1997
MSDS Ref No RPTM23318
Date Revised 09/13/1997
Revision No New MSDS

PoolTime pH Down

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME PoolTime pH Down
GENERAL USE pH Decreaser

MANUFACTURER

Recreational Water Products
Pool Time
PO Box 887
Sootdale, GA 30079
Customer SERVICE (800) 949-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300
Rocky Mountain (Medical) (303) 623-5716

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt %	CAS Registry #	EINECS #
Sodium bisulfate	93.2	7681-38-1	231-665-7
Sodium sulfate	6.5	7757-82-6	231-820-9

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE

Off-white, bead-like, granular material

IMMEDIATE CONCERNS

DANGER POISON - Causes severe burns Corrosive Causes skin and eye damage Harmful if swallowed Avoid contact with eyes, skin or clothing Wear goggles or safety glasses and rubber gloves when handling this product May be irritating to nose and throat Avoid breathing dust Remove and wash contaminated clothing before reuse Do not mix with any other chemicals

POTENTIAL HEALTH EFFECTS

EYES

DANGER Corrosive Causes eye burns Do not get in eyes

SKIN

DANGER Corrosive Causes skin burns Do not get on skin

INGESTION

Harmful if swallowed

MATERIAL SAFETY DATA SHEET

MSDS

Page 2 of 7

Date Issued: 09/13/1997

MSDS Ref. No. RPTM23318

Date Revised: 09/13/1997

Revision No. New MSDS

PoolTime pH Down

INHALATION

May be irritating to nose and throat. Avoid breathing dust or vapors.

CHRONIC

There are no known chronic hazards.

ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact

4. FIRST AID MEASURES

EYES

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

SKIN

If contact with skin: Rinse off excess chemical and flush skin with cold water for at least 15 minutes. If skin irritation develops, seek immediate medical attention.

INGESTION

If swallowed: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

INHALATION

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

NOTES TO PHYSICIAN

Eyes: Natural watering of eyes will dissolve sodium bisulfate, forming a weak sulfuric acid solution which may cause burns. Flush affected area thoroughly with water. Do not use chemical antidotes or neutralizing solutions.

Skin: Mild burns may occur if not thoroughly flushed previously.

Inhalation: Mild burning sensations may occur to mucous membranes and upper respiratory tract.

Ingestion: Body water content will react with sodium bisulfate to form a weak sulfuric acid solution, which may burn tissues in mouth, esophagus or stomach. Solution should be diluted to reduce burning effect.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

MATERIAL SAFETY DATA SHEET

MSDS

Page 3 of 7
Date Issued 09/13/1997
MSDS Ref No RPTM23318
Date Revised 09/13/1997
Revision No New MSDS

PoolTime pH Down

GENERAL HAZARD

Product readily dissolves in water to form a weak sulfuric acid solution. No gases or toxic fumes are emitted from this reaction, but precautions for exposure to sulfuric acid should be followed.

EXTINGUISHING MEDIA

Water or dry chemical as appropriate for combustibles in area. Avoid water contact to material if possible as contact with water forms sulfuric acid solution.

FIRE FIGHTING EQUIPMENT

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

HAZARDOUS DECOMPOSITION PRODUCTS

At temperatures over 570 F, product will decompose, generating oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in clean dry plastic containers for disposal. Dispose of according to local, state, and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES

Avoid contact with eyes, skin or clothing. Avoid breathing dust.

HANDLING

Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.

STORAGE

Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

MATERIAL SAFETY DATA SHEET

MSDS

Page 4 of 7

Date Issued 09/13/1997

MSDS Ref No RPTM23318

Date Revised 09/13/1997

Revision No New MSDS

PoolTime pH Down

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS			
		OSHA PEL ppm	mg/m ³	ACGIH TLV ppm	SUPPLIER OEL mg/m ³
Sodium bisulfate	TWA	N/E ¹		N/E	
Sodium sulfate	TWA	N/E		N/E	

OSHA TABLE COMMENTS

1 N/E = Not Established

ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to minimize exposure to dust/vapors

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE

Wear goggles or safety glasses with side shields when handling this product

SKIN

Wear rubber gloves when handling this product. Avoid contact with skin

RESPIRATORY

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use

WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse

OTHER USE PRECAUTIONS

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Solid

ODOR Sulfate

APPEARANCE Granules

COLOR Off-white

pH Not Available

PERCENT VOLATILE Non-volatile

MELTING POINT (350°F)

SOLUBILITY IN WATER 100%

DENSITY 83 lb/cu ft

MATERIAL SAFETY DATA SHEET

MSDS

Page 5 of 7
Date-Issued: 09/13/1997
MSDS Ref No RPTM23318
Date-Revised: 09/13/1997
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PoolTime pH Down

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID

High temperature Poor ventilation Contamination Moisture/high humidity

STABILITY

This product is stable under normal conditions

POLYMERIZATION

Hazardous polymerization will not occur under normal conditions

HAZARDOUS DECOMPOSITION PRODUCTS

Sulfur oxide gases (toxic, oxidizers & corrosive) Sulfur trioxide is a fire hazard

INCOMPATIBLE MATERIALS

Other swimming pool/spa chemicals in their concentrated forms Strong alkaline materials Reacts with water to form weak sulfuric acid solution Do not mix with liquid chlorine bleach, ammonia cleansers or similar products

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀ 2800 mg/kg of body weight in rats

EYE EFFECTS

Mild to severe irritant May cause burns if not flushed with water

SKIN EFFECTS

Moderate irritant May cause burns if not flushed with water

CARCINOGENICITY

This product is not listed as a carcinogen by IARC
This product is not listed as a carcinogen by NTP
This product is not listed as a carcinogen by OSHA

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

This product may be toxic to fish and aquatic organisms Keep product from entering waterways and watersheds

MATERIAL SAFETY DATA SHEET

MSDS

Page 6 of 7
Date Issued: 09/13/1997
MSDS Ref No RPTM23318
Date Revised: 09/13/1997
Revision No New MSDS

PoolTime pH Down

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

PRODUCT DISPOSAL

Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

EMPTY CONTAINER

Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated

OTHER SHIPPING INFORMATION: Bill of Lading Description - Compounds, Swimming Pool, Cleaning or Water Treating, Dry or Liquid (NMFC 50086)

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE

Product is hazardous by definition of the Hazardous Communication Standard.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT)

This product is not a registered pesticide.

16. OTHER INFORMATION

MATERIAL SAFETY DATA SHEET

MSDS

Page 7 of 7

Date-Issued 09/13/1997

MSDS Ref. No. RPTM2318

Date-Revised 09/13/1997

Revision No. New MSDS

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REVISION SUMMARY

New MSDS

NFPA CODES

HEALTH 1 FIRE 0 REACTIVITY 1

HMS CODES

HEALTH 1 FIRE 0 REACTIVITY 1 PROTECTION B

MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.
